

CLAIMS

- Sab
05*
- Jess D.*
- 1*
- 31*
- B*
- 31*
- B*
- 31*
- 20*
- 31*
- 25*
- 11*
1. A method of treating asthma in an individual with albuterol, while reducing side effects associated with albuterol, comprising administering to the individual a quantity of an optically pure R(-) isomer of albuterol sufficient to result in bronchodilation, said R isomer being substantially free of its S(+) isomer.
 - 10 2. A method of Claim 1 wherein the amount of the R(-) isomer of albuterol is greater than approximately 90% by weight *of total albuterol*
 3. A method of Claim 2 wherein the amount of the R(-) isomer of albuterol is greater than 99% by weight *of total albuterol*
 - 15 4. A method of Claim 1 comprising administering to the individual by inhalation from approximately 30 mcg to approximately 90 mcg of the R(-) isomer of albuterol per dose.
 - 20 5. A method of Claim 1 comprising orally administering to the individual from approximately 1 mg to approximately 8 mg of the R(-) isomer of albuterol two to four times daily.

- Add B*) 6. A method of treating asthma in an individual with albuterol, while reducing side effects associated with albuterol, comprising administering to the individual a quantity of an optically pure R(-) isomer of albuterol sufficient to result in bronchodilation and at least one additional drug.
- 10 7. A method of Claim 6 wherein the additional drug is selected from the group consisting of: bronchodilators, antihistamines and analgesics.
- B* 7. A method of Claim 6 wherein the analgesic is selected from the group consisting of: aspirin, acetaminophen and ibuprofen.
- Add A*) 9. A composition comprising an optically pure R(-) isomer of albuterol and at least one additional drug.
10. A composition of Claim 9 containing at least 90% by weight of the R(-) isomer of albuterol.
- 20 11. A composition of Claim 10 containing at least 99% by weight of the R(-) isomer of albuterol.
12. A composition of Claim 9 wherein the additional drug is selected from the group consisting of: bronchodilators, antihistamines and analgesics.

End

Add B³)
Add E¹)

13